

## Sika® Level 125<sup>CA</sup> CEMENTITIOUS UNDERLAYMENT FOR FLOORS



## Versatile, durable and economic underlayment

Sika Level 125<sup>CA</sup> combines key qualities in an easy-to-use, self-levelling underlayment. It has been formulated for installation onto interior concrete, wood, ceramic tile and similar substrates where a rapid-setting, flat and cost-effective surface is required before the application of final floor finishes. Its advantages include:

- Easy and quick to install.
- Zero VOC content and low odour.
- Highly fluid and self-levelling.
- Feather edging acceptable in pedestrian areas.
- Levels new and renovates old floors.
- Can be applied at 1 mm to 25 mm thickness with coverage of between 0.5 and 13.2 m<sup>2</sup> (5.3 and 142 ft<sup>2</sup>) per bag
- Rapid-drying; accepts foot traffic after 8 hours (at 23°C).
- Ceramic tiles and natural stone can be installed after 24 hours.
- Floor coverings (carpet, vinyl, engineered wood) can be installed after 24 - 72 hours.
- Excellent underlay for tiles, sheet products and wood-floor bonding systems.

CSC Master Format™ 03 54 16 Hydraulic Cement Underlayment

# Sika® Level 125<sup>CA</sup> CEMENTITIOUS UNDERLAYMENT FOR FLOORS

Sika® Level technology has been designed to create flat, new floors where poured concrete cannot or has not achieved the required degree of smoothness, or where wooden sub-floors need to be levelled. It is ideal for the levelling of old concrete, tiled or plywood surfaces where renovations include the installation of floor coverings which need a level substrate.

## INSTALLATION GUIDE



- 1 Concrete and cement floors are primed with Sika® Level-01<sup>CA</sup> Primer, applied at a rate of 10 to 20 m<sup>2</sup>/ltr (285 to 570 ft<sup>2</sup>/US gal) by brush or roller, which is then allowed to become translucent before applying the underlayment. Where wood, ceramic tiles, cut back (adhesive residue) and very dense substrates are to be overlayed, Sika® Level-02<sup>CA</sup> Primer should be applied, at a rate of 5 to 9 m<sup>2</sup>/ltr (200 to 366 ft<sup>2</sup>/US gal), by brush or roller. (Consult Sika Canada Technical Services).
- 2 Mixing with a mortar mixer or low-speed drill and paddle will ensure that the consistency necessary to obtain high flow with minimal water is obtained.
- 3 Sika® Level 125<sup>CA</sup> should be installed at a thickness of between 1 and 25 mm by pump, pin screed/guage rake or trowel at a rate of 0.5 to 13.2 m<sup>2</sup> (5.3 to 142 ft<sup>2</sup> depending on thickness desired). Remove entrapped air and eliminate trowel marks or installation variations using a spiked roller, working in two directions (90°), while the underlayment is fresh and flowable.
- 4 Material self-smooths and produces a flat, level substrate for subsequent floor coverings.

## TECHNICAL DATA

- Length Change (ASTM C 157)
  - 28 days = -0.045%
- Compressive Strength (ASTM C 109) (10°C - 30°C)
  - 1 day 8 - 9 MPa (1160 - 1305 psi)
  - 3 days 11 - 12 MPa (1595 - 1740 psi)
  - 7 days 13 - 21 MPa (1885 - 3045 psi)
  - 28 days 23 - 25 MPa (3335 - 3625 psi)
- Bond Strength (CSA-A23.2.6B)
  - 5 mm underlayment onto Sika Level-01 Primer-primed concrete
  - >2.30 MPa (>333 psi)
  - 5 mm underlayment onto Sika Level-02 Primer-primed substrates
  - Plywood: > 7 MPa (1015 psi)
  - Concrete: > 1.5 MPa (217 psi)
  - Ceramic Tile (Sandblasted): > 2.0 MPa (290 psi) substrate failure
  - Ceramic Tile Adhesive: > 1.2 MPa (174 psi) substrate failure
  - Carpet Adhesive: > 1.5 MPa (217 psi) substrate failure
- VOC Content (EPA Method 24)
  - 0 g/l

## TYPICAL APPLICATIONS

### INSTITUTIONAL BUILDINGS

- schools
- universities
- hospitals
- clinics
- libraries
- galleries
- museums

### COMMERCIAL PREMISES

- offices
- reception areas
- corridors
- hallways
- canteens
- cafeterias
- stores
- hotels and restaurants

### RESIDENTIAL PROPERTIES

- domestic properties
- condominiums
- high-rise complexes

To receive advice on substrate repairs, crack and joint fillers and wood floor bonding adhesives, please contact Sika Technical Services.



The information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelf life. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request or can be accessed in the Internet under [www.sika.ca](http://www.sika.ca).

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